Mark J Young

List of Publications by Year
in descending order

44 papers	4,156 citations	218677 26 h-index	214800 47 g-index
49 all docs	49 docs citations	49 times ranked	4733 citing authors

#	Article	IF	Citations
1	Hostâ€“guest encapsulation of materials by assembled virus protein cages. Nature, 1998, 393, 152-155.	27.8	887
2	Healthy human gut phageome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10400-10405.	7.1	439
3	Minimum Information about an Uncultivated Virus Genome (MIUViG). Nature Biotechnology, 2019, 37, 29-37.	17.5	414
4	Plant Viruses as Biotemplates for Materials and Their Use in Nanotechnology. Annual Review of Phytopathology, 2008, 46, 361-384.	7.8	233
5	From The Cover: The structure of a thermophilic archaeal virus shows a double-stranded DNA viral capsid type that spans all domains of life. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7716-7720.	7.1	219
6	The Human Gut Phage Community and Its Implications for Health and Disease. Viruses, 2017, 9, 141.	3.3	206
7	Paramagnetic viral nanoparticles as potential high-relaxivity magnetic resonance contrast agents. Magnetic Resonance in Medicine, 2005, 54, 807-812.	3.0	198
8	Melanoma and Lymphocyte Cell-Specific Targeting Incorporated into a Heat Shock Protein Cage Architecture. Chemistry and Biology, 2006, 13, 161-170.	6.0	146
9	Identification of Novel Positive-Strand RNA Viruses by Metagenomic Analysis of Archaea-Dominated Yellowstone Hot Springs. Journal of Virology, 2012, 86, 5562-5573.	3.4	107
10	Heterologous expression of the modified coat protein of Cowpea chlorotic mottle bromovirus results in the assembly of protein cages with altered architectures and function. Journal of General Virology, 2004, 85, 1049-1053.	2.9	96
11	Particle Assembly and Ultrastructural Features Associated with Replication of the Lytic Archaeal Virus <i>Sulfolobus</i> Turreted Icosahedral Virus. Journal of Virology, 2009, 83, 5964-5970.	3.4	96
12	A virus or more in (nearly) every cell: ubiquitous networks of virusâ€“host interactions in extreme environments. ISME Journal, 2018, 12, 1706-1714.	9.8	94
13	CRISPR-Induced Distributed Immunity in Microbial Populations. PLoS ONE, 2014, 9, e101710.	2.5	67
14	Nanoarchaeota, Their Sulfolobales Host, and Nanoarchaeota Virus Distribution across Yellowstone National Park Hot Springs. Applied and Environmental Microbiology, 2015, 81, 7860-7868.	3.1	63
15	Controlled Ligand Display on a Symmetrical Protein-Cage Architecture Through Mixed Assembly. Small, 2006, 2, 962-966.	10.0	61
16	High-Density Targeting of a Viral Multifunctional Nanoplatform to a Pathogenic, Biofilm-Forming Bacterium. Chemistry and Biology, 2007, 14, 387-398.	6.0	58
17	Archaeal Viruses from High-Temperature Environments. Genes, 2018, 9, 128.	2.4	54
18	Novel viral genomes identified from six metagenomes reveal wide distribution of archaeal viruses and high viral diversity in terrestrial hot springs. Environmental Microbiology, 2016, 18, 863-874.	3.8	53

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19	Metal binding to cowpea chlorotic mottle virus using terbium(III) fluorescence. Journal of Biological Inorganic Chemistry, 2003, 8, 721-725.	2.6	52
20	Viral assemblage composition in Yellowstone acidic hot springs assessed by network analysis. ISME Journal, 2015, 9, 2162-2177.	9.8	48
21	Single-cell genomics of co-sorted Nanoarchaeota suggests novel putative host associations and diversification of proteins involved in symbiosis. Microbiome, 2018, 6, 161.	11.1	44
22	40 Years of archaeal virology: Expanding viral diversity. Virology, 2015, 479-480, 369-378.	2.4	41
23	Monitoring Biomimetic Platinum Nanocluster Formation Using Mass Spectrometry and Clusterâ€Đependent H₂ Production. Angewandte Chemie - International Edition, 2008, 47, 7845-7848.	13.8	40
24	Discovering novel hydrolases from hot environments. Biotechnology Advances, 2018, 36, 2077-2100.	11.7	38
25	Viruses of hyperthermophilic Archaea. Research in Microbiology, 2003, 154, 474-482.	2.1	33
26	Effect of Inactivation Methods on SARS-CoV-2 Virion Protein and Structure. Viruses, 2021, 13, 562.	3.3	33
27	Development of a genetic system for the archaeal virus Sulfolobus turreted icosahedral virus (STIV). Virology, 2011, 415, 6-11.	2.4	29
28	Structural studies of <i>Acidianus</i> tailed spindle virus reveal a structural paradigm used in the assembly of spindle-shaped viruses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2120-2125.	7.1	29
29	Acidianus Tailed Spindle Virus: a New Archaeal Large Tailed Spindle Virus Discovered by Culture-Independent Methods. Journal of Virology, 2016, 90, 3458-3468.	3.4	27
30	From Metal Binding to Nanoparticle Formation: Monitoring Biomimetic Iron Oxide Synthesis within Protein Cages using Mass Spectrometry. Angewandte Chemie - International Edition, 2009, 48, 4772-4776.	13.8	26
31	Gut bacteriophage dynamics during fecal microbial transplantation in subjects with metabolic syndrome. Gut Microbes, 2021, 13, 1-15.	9.8	24
32	Bacterial Viruses Subcommittee and Archaeal Viruses Subcommittee of the ICTV: update of taxonomy changes in 2021. Archives of Virology, 2021, 166, 3239-3244.	2.1	24
33	The Molecular Mechanism of Cellular Attachment for an Archaeal Virus. Structure, 2019, 27, 1634-1646.e3.	3.3	21
34	Coupling Peptide Antigens to Virus-Like Particles or to Protein Carriers Influences the Th1/Th2 Polarity of the Resulting Immune Response. Vaccines, 2016, 4, 15.	4.4	20
35	Large Tailed Spindle Viruses of Archaea: a New Way of Doing Viral Business. Journal of Virology, 2015, 89, 9146-9149.	3.4	19
36	Isolation and Characterization of Metallosphaera Turreted Icosahedral Virus, a Founding Member of a New Family of Archaeal Viruses. Journal of Virology, 2017, 91, .	3.4	19

#	Article	IF	Citations
37	The transcript cleavage factor paralogue TFS4 is a potent RNA polymerase inhibitor. Nature Communications, 2017, 8, 1914.	12.8	18
38	The intriguing world of archaeal viruses. PLoS Pathogens, 2020, 16, e1008574.	4.7	16
39	Two-component magnetic structure of iron oxide nanoparticles mineralized in <i>Listeria innocua</i> protein cages. Journal of Applied Physics, 2010, 107, .	2.5	13
40	Survey of high-resolution archaeal virus structures. Current Opinion in Virology, 2019, 36, 74-83.	5.4	10
41	An Uncultivated Virus Infecting a Nanoarchaeal Parasite in the Hot Springs of Yellowstone National Park. Journal of Virology, 2020, 94, .	3.4	10
42	Structure-Based Mutagenesis of Sulfolobus Turreted Icosahedral Virus B204 Reveals Essential Residues in the Virion-Associated DNA-Packaging ATPase. Journal of Virology, 2016, 90, 2729-2739.	3.4	8
43	A Survey of Protein Structures from Archaeal Viruses. Life, 2013, 3, 118-130.	2.4	6
44	Discovery and Characterization of Thermoproteus Spherical Piliferous Virus 1: a Spherical Archaeal Virus Decorated with Unusual Filaments. Journal of Virology, 2020, 94, .	3.4	2